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INTERNATIONAL BUREAU OF PATENT COOPERATION
358, rue de la Confiance
CH-1202, Genève, Suisse
Tel. (41) 22 719 6001
Fax (41) 22 719 6002
E-mail: pct@wipo.ch
Internet: www.wipo.int/pct

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(71) Applicant (for all designated States except US): EUROPEAN TECHNOLOGY FOR BUSINESS LIMITED [GB/GB]; Codicote Innovation Centre, St. Albans Road, Codicote, Hertfordshire SG4 8WH (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): HODGINS, Diana [GB/GB]; Pulmore House, St. Albans Road, Codicote, Hertfordshire SG4 8UY (GB). HATT, Joseph, Mark [GB/GB]; 49 High Avenue, Letchworth Garden City, Hertfordshire SG6 3QR (GB).

(74) Agents: GILLAM, Francis, Cyril et al.; Sanderson & Co., 34 East Stockwell Street, Colchester, Essex CO1 1ST (GB).

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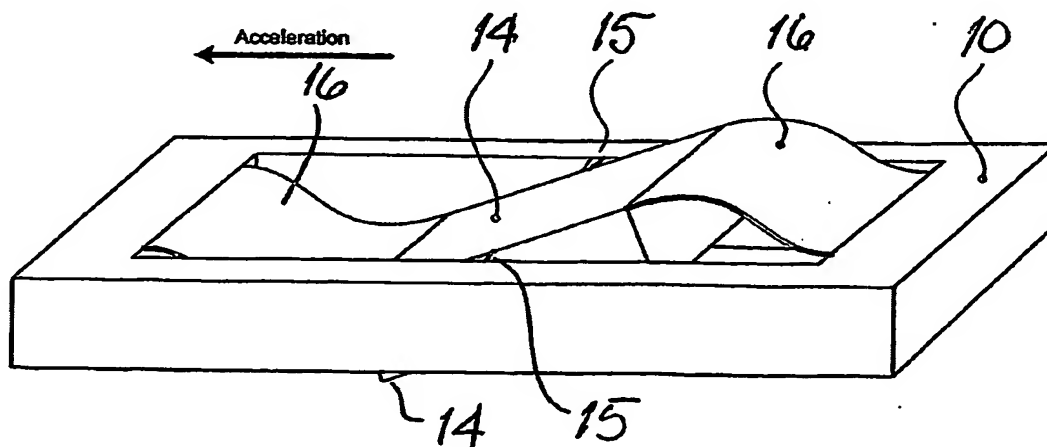
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(54) Title: MEMS ACCELEROMETERS



(57) Abstract: A micro-electro-mechanical systems (MEMS) accelerometer comprises a wafer micro-fabricated to provide a frame (10) defining an opening within which is disposed a sensing mass (14). A pair of aligned pivot beams (15) connect the mass to the frame (10) so that the axis of pivoting is displaced from the centre of gravity of the mass. At least one sensing beam (16) connects the mass (14) to the frame, the sensing beam (16) being distorted by pivoting movement of the mass (14). Distortion of the sensing beam on pivoting movement of the mass is determined, from which the acceleration of the accelerometer may be determined.

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